

BOOK NOTICES

STEPHEN G. PALLARDY. 2008. **Physiology of Woody Plants (ed. 3)**. (ISBN 978-0-12-088765-1, hbk.). Elsevier-Academic Press, 30 Corporate Drive, Suite 400, Burlington, MA 01803, U.S.A. (**Orders:** www.elsevier.com). \$136.00, 454 pp., illus., 8 1/2" × 11".

Revised from the 1997 edition. It is "intended primarily as a text for students and a reference for researchers, [but] this interdisciplinary book should be useful to a broad range of scientists from agroforesters, agronomists, and arborists to plant pathologists, ecophysiologicals, and soil scientists." A beautifully prepared volume—in organization of information, layout, and readability. After reading through the first three chapters, it's hard to image a course in plant anatomy without this information.

Table of Contents.—Introduction. The woody plant body. Vegetative growth. Reproductive growth. Photosynthesis. Enzymes, energetics, and respiration. Carbohydrates. Lipids, terpenes, and related substances. Nitrogen metabolism. Mineral nutrition. Absorption of water and ascent of sap. Transpiration and plant water balance. Plant hormones and other growth regulators. Chapter summaries. General references. Scientific name index. Bibliography. Subject index.

GARY LYONS. 2007. **Desert Plants: A Curator's Introduction to the Huntington Botanical Gardens**. (ISBN 978-0-87328-231-4, pbk.). Huntington Library Press, 1151 Oxford Road, San Marino, CA 91108, U.S.A. (**Orders:** California Princeton Fulfillment Services, 1445 Lower Ferry Road, Ewing, NJ 08618, U.S.A. www.ucpress.edu, 609-883-1759, Fax 609-883-7413). \$24.95, 127 pages, color and b/w photos, 8 1/2" × 10 1/4".

The HBG includes "12 acres of plants, rockery, and paths," begun in 1907, to become one of the largest collections of cacti and succulents in the world. The book is a quick, easy read with lots of color photos.

*A Brief History of the Huntington Desert Garden (documented by B&W photos)

*Desert Plants of the Old World (The Aloe Family; Euphorbias; The Crassula Family; *Cyphostemma* and *Dioscorea*; The Dragon Tree; Stapelias; Ice Plants; Senecios, or Succulent Sunflowers)

*Desert Plants of the New World (New World Crassulas; Cacti; Terrestrial Bromeliads; Ocotillo; Succulents of Baja California; Agave and Agave Relatives)

*The World of the Desert Garden (Care of the Desert Garden; Aridity and Survival; Protecting Plant Diversity)

PHILIPPA NIKULINSKY and STEPHEN D HOPPER. 2005 [reprinted 2007]. **Soul of the Desert**. (ISBN 978-1-921064-06-7, hbk.). Fremantle Arts Centre Press, 25 Quarry Street, Fremantle, PO Box 158, North Fremantle 6159, Western Australia. (**Orders:** International Specialized Book Services, 920 NE 58th Avenue, Suite 300, Portland, OR 97213-3786; 503-287-3093; 503-280-8832 fax; info@Isbs.com; www.isbs.com). \$54.00, 176 pp., beautiful color paintings, 9" × 11 1/4".

Primarily a vehicle for Philippa Nikulinsky's exquisite paintings of the Australian desert but accompanied by brief but very interesting commentaries by Hopper. Oh, if only the artist will give the the next version of the book some landscape examples, in her style of brilliant color contrasts.

I. Deserts Though Time (Origins; Relative geological age of dseerts; Desert people; European impacts; Soul of Australia's deserts).

II. Development of A Painting (a brief but remarkable narrative, with stages of drawings).

III. The Artwork (Ranges and outcrops; Plains; Dunes; Wetlands; Widespread plants and animals; Diversity explored).